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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/720,962	11/24/2003	Stuart Stephen Papworth Parkin	ARC920030058US1	5214
55508 7590 08/14/2008 JOSEPH P. CURTIN, L.L.C.			EXAMINER	
1469 N.W. MORGAN LANE PORTLAND, OR 97229-5291			NGUYEN, JOSEPH H	
PORTLAND,	OR 97229-5291		ART UNIT	PAPER NUMBER
			2815	
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			05/14/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Advisory Action Before the Filing of an Appeal Brief

Application No.		Applicant(s)
	10/720,962	PARKIN ET AL.
	Examiner	Art Unit
	JOSEPH NGUYEN	2815
	OOOLI II NOOTLIN	2010

The MAILING DATE of this communication appears on the cover sheet with the correspondence address
THE REPLY FILED <u>28 April 2008</u> FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.
1. The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of th application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other afforce, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:
 The period for reply expires 3 months from the mailing date of the final rejection.
b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. If no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TW MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).
Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filled is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) a set forth in (b) above, if checked, Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed may reduce any earned patent term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL
2. The Notice of Appeal was filed on A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a). AMENDMENTS
3. The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because (a) They raise new issues that would require further consideration and/or search (see NOTE below); (b) They raise the issue of new matter (see NOTE below);
(c) They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
(d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims. NOTE:, (See 37 CFR 1.116 and 41.33(a)).
4. The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).
5. Applicant's reply has overcome the following rejection(s):
Newly proposed or amended claim(s) would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
7. ☐ For purposes of appeal, the proposed amendment(s): a) ☐ will not be entered, or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended. The status of the claim(s) is (or will be) as follows:
Claim(s) allowed:
Claim(s) objected to:
Claim(s) rejected: <u>1-35 and 51-55</u> .
Claim(s) withdrawn from consideration:
AFFIDAVIT OR OTHER EVIDENCE
8. The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).
9. The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d/1).
10. The afficiavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached. REQUEST FOR RECONSIDERATION/OTHER
11. A The request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.
12. Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s).
13. Other:
/Kenneth A Parker/ Supervisory Patent Examiner, Art Unit 2815

Continuation of 11. does NOT place the application in condition for allowance because: With respect to claims 1 and 25. Odagawa discloses in paragraph [0194] the interface layer 220, an alloy material containing at least one atom selected from Ni, Co and Fe, which does not necessarily the alloy material would include all Ni-Co-Fe as a main component. The alloy material can also include Co-Fe as a main component, which is the same material enberg used in the instant application such that the interface layer is inherently crystalline when in isolation from both the first layer and the tunnel barrier layer. It is noted that the alloy material including Ni-Fe-Co as a main component is one of the possibilities that the alloy material can include but it is not the only possibility, Another possibility has the alloy material can include but it is not the only possibility, Another possibilities that the alloy material can include but it is not the only possibility. Another possibilities that the alloy material can alloy include Co-Fe. Further, applicant teaches in paragraph [12] of the instant application the thickness of the interface layer is cystalline when in isolation from the first layer and the barrier layer. Odagawa discloses in paragraph [0196] the thickness of the interface layer is cystalline when in isolation from the first layer and the barrier layer herein. Moreover, applicant's submission of the composition of an alloy of Co and Fe submerture conditions is merity the process steps, which is not recipional's submission of the composition of an alloy of Fe-Co and the temperature conditions is merity the process steps, which is not recipional calisms 1 and 25. Lastly, Odagawa discloses the structure of the claimed magnetic tunnel element and with a strong motivation provided by Odagawa, the